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IgY Against Dental Caries and Dental Caries-Preventing Combination

Abstract of the Disclosure

For the purpose of preparing the immunoglobulin of yolk (IgY) against dental caries bacteria and the combination, Streptococcus mutans type c and type d are used as antigen bacteria. The antibody is purified by water dilution, "DEAE-Sephadex A50" and "Sephadex G200" chromatography. It is low cost of production, high titer, strong resistance to osmotic pressure, and high immune activity and wide range of cross-reaction to streptococcus mutans. The present invention provides the combination preventing dental caries wherein the effective components are IgY and antiseptic features in safe use and effective prevention. The combination effectively prevents dental caries.